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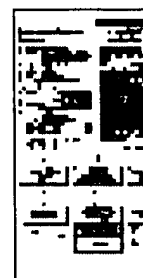
**Title:** JP5283053A2: SEPARATOR FOR SEALED LEAD-ACID BATTERY

**Country:** JP Japan

**Kind:** A

**Inventor:** HORIMOTO KOJI;  
NAKAMURA MOTOFUMI;  
EZAKI MOTOYUKI;  
TANAKA YOSHITAKA;

**Assignee:** MITSUI PETROCHEM IND LTD  
G S KASEI KOGYO KK  
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**Priority Number:** 1991-03-13 JP1991000048002

**Abstract:**

**PURPOSE:** To ensure the low cost, high water retentivity and acid resistance, and low density of a separator without use of glass fiber, and provide a sealed lead-acid battery having large discharge capacity at low temperature, using the separator.

**CONSTITUTION:** A material mainly comprising a polyolefine synthetic pulp and a binder having a fusion point lower than the synthetic pulp are mixed and formed into a sheet at a dry process. Also, the sheet is subjected to heat treatment at a temperature lower than the fusion point of the pulp, or at a temperature equal to or above the fusion point of the binder, thereby providing a porous mat for a lead-acid battery separator. The polyolefine synthetic pulp preferably has a specific surface area equal to or above 1m<sup>2</sup>/g on the basis of the BET adsorption method. Also, the separator is subjected to hydrophobic treatment, using the water solution of a surface active agent, thereby enabling the water retentivity of the mat to be all the more improved.

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